

# ABSTRACT

A device for the voltage supply for a heavy power consumer, e.g., an electric auxiliary compressor in a motor vehicle, in which the electric auxiliary compressor is supplied with  
5 voltage with the aid of two ultracaps and one high current diode. The voltage supply via the high current diode takes place starting from the battery of the vehicle electrical system, while the ultracaps provide high electric power for a short time during the starting phase of the electric auxiliary  
10 compressor at a voltage level which is doubled vis-à-vis the voltage level of the vehicle electrical system.